

ABSTRACT

A system to perform digital image cross talk correction. The invention provides a solution that provides a radical reduction in the memory and processing system requirements of conventional digital image processing systems. A single line buffer may be used in place of an entire frame buffer in conventional systems. Single or multi-pass implementations of the invention are operable, each implementation being further adaptable to perform cross talk correction using variable grid sizes including any number of desired pixels within the grid. The invention is operable with the only memory requirements being those of line buffers as compared from entire frame buffers employed within conventional cross talk correction image processing solutions. In performing multi-pass cross talk correction, cross talk correction may be achieved on a single pass over the entire image. Certain of the preceding pixels, along a programmed or selected trajectory within the digital image, are cross talk corrected numerous times.